



United States Department of Agriculture

Foreign Animal Disease Preparedness and Response Plan (FAD PReP)

National Preparedness and Incident Coordination Center
Surveillance, Preparedness, and Response Services
Veterinary Services
U.S. Department of Agriculture

Why Foreign Animal Diseases Matter

Preparing for and responding to foreign animal diseases (FADs) are critical activities to safeguard and protect our nation's animal health, public health, environment, food supply, and economy.



Examples of FADs (Transboundary Diseases)

- Highly Pathogenic Avian Influenza
- Foot-and-Mouth Disease
- Classical Swine Fever
- Newcastle Disease
- African Swine Fever



Challenges of an FAD Response

- Significant disruptions to interstate commerce and international trade can occur.
- Response activities are complex and require significant planning and preparation before an event.
- Outbreaks can become large or widespread.



Lessons Learned

- Unified State-Federal-Tribal-industry planning and response needs to respect and incorporate local knowledge.
- Unified Command needs to set clearly defined, obtainable goals.
- Planning and response efforts need to employ science- and risk-based approaches that protect animal health, public health, and the environment and stabilize animal agriculture, the food supply, and the economy.



Lessons Learned (continued)

- Timely and successful outcomes require the:
 - Rapid scale-up of resources and trained personnel.
 - Capability to quickly address competing interests before and during an outbreak.
- Early detection and tracing is essential for the efficient and timely control of FAD outbreaks.

What is FAD PReP?

- A public-private-academic partnership.
- Provides collaborations, products, and services for preparing for and responding to animal health emergencies.

FAD PReP

Foreign Animal Disease
Preparedness & Response Plan



**United States
Department of
Agriculture**

United States Department of Agriculture • Animal and Plant Health Inspection Service • Veterinary Services

The FAD PReP mission is...

...to raise awareness, define expectations, and improve capabilities for FAD preparedness and response.



Preparedness Goals

- Define stakeholder expectations for successful and timely outcomes.
- Identify resources and personnel for potential large-scale outbreaks.
- Identify and resolve issues that may become competing interests during an outbreak.
- Provide a systems approach to preparedness issues that need additional time, attention, and collaboration.

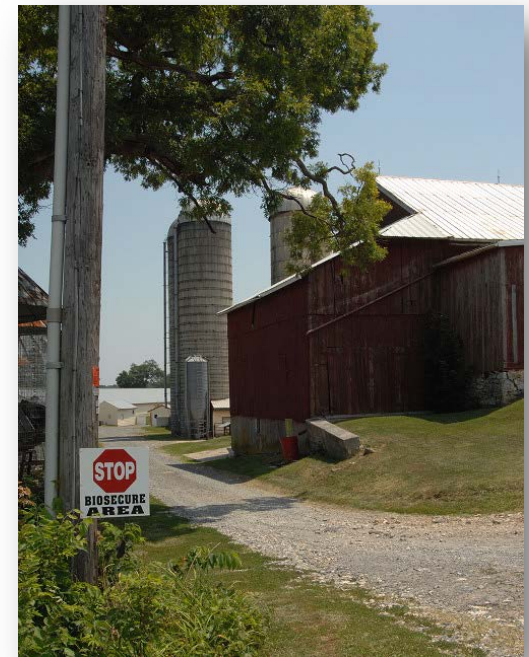
Response Goals

- To detect, control, and contain FAD outbreaks as quickly as possible.
- To eradicate the FAD using strategies that protect public health and the environment, and stabilize animal agriculture, the food supply, and the economy.
- To provide science- and risk-based approaches and systems to facilitate continuity of business for non-infected animals and non-contaminated animal products.

Response Goals, cont.

Achieving these goals will allow individual livestock facilities, States, Tribes, regions, and industries to resume normal production as quickly as possible.

They will also allow the United States to regain FAD-free status without the response effort causing more disruption and damage than the disease outbreak itself.

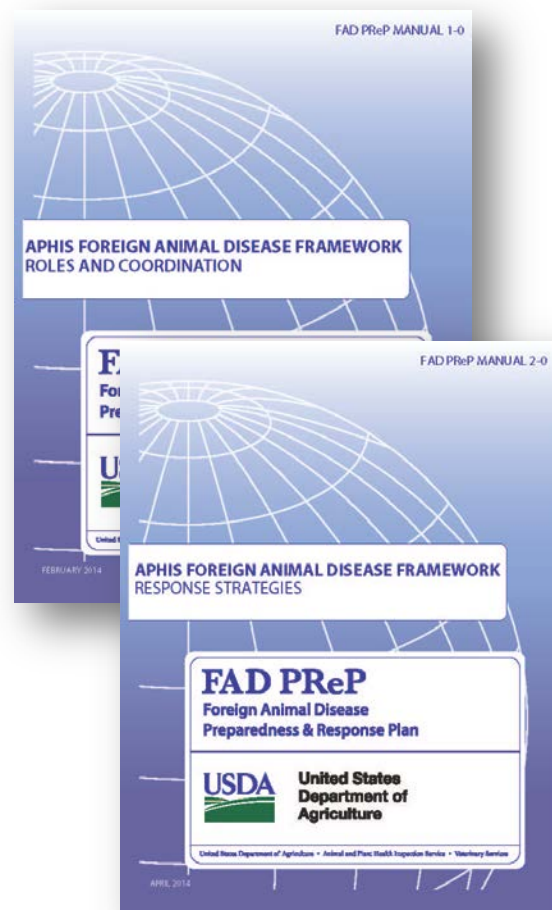


FAD PReP Collaborations, Products, and Services

- FAD PReP Materials
- Secure Food Supply Plans
 - Secure Poultry Supply (Eggs, Turkeys, Broilers)
 - Secure Milk Supply
 - Secure Pork Supply
- California Department of Food and Agriculture (CDFA)
California Animal Health Emergency Management System (CAHEMS) Tool Kit
- Emergency Management Response System (EMRS) 2.0
- Incident Coordination and Exercise Support

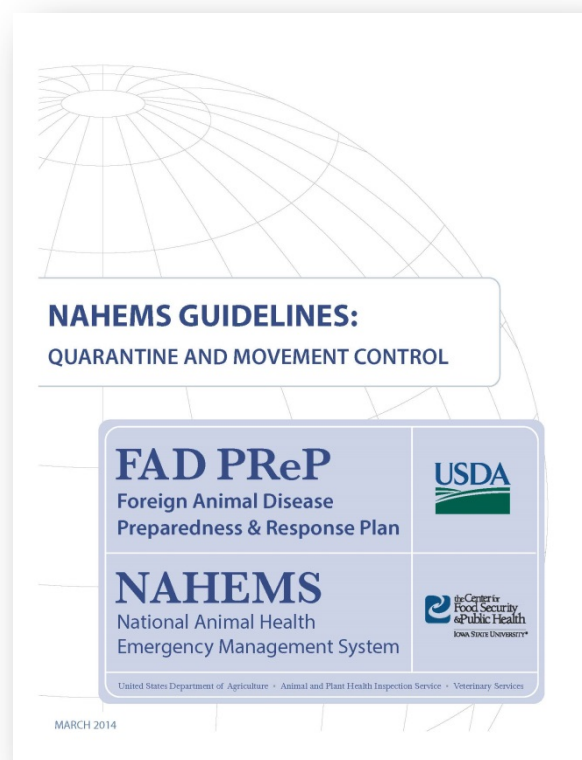
Strategic Plans—Concept of Operations

- The strategic plans provide an overall concept of operations for FAD preparedness and response.
- They explain the framework of approaches and systems, identify key stakeholders, and explain how APHIS will prepare and respond to an animal health emergency.



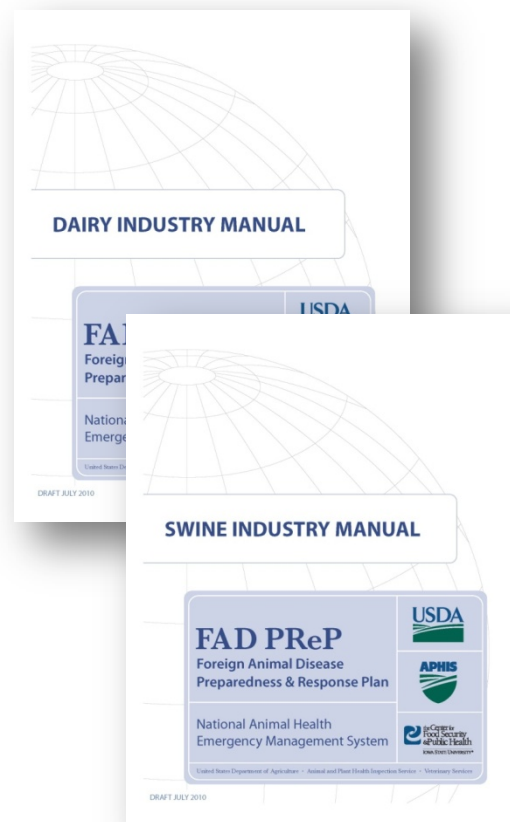
NAHEMS Guidelines

- National Animal Health Emergency Management System (NAHEMS) Guidelines cover important preparedness and response activities.
- They provide critical information for stakeholders to prepare for an animal health emergency.



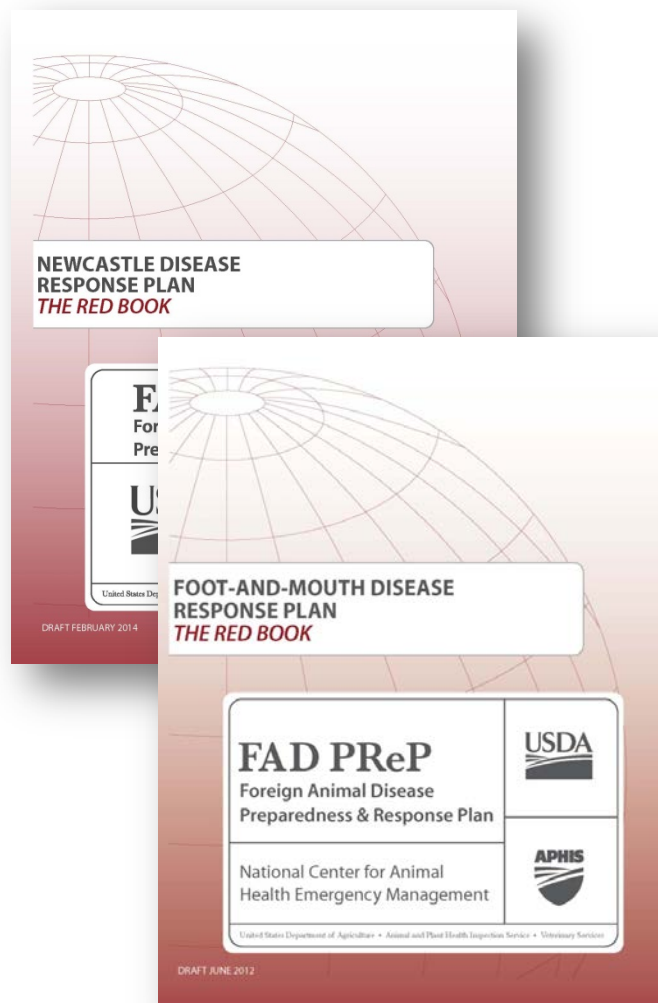
Industry Manuals

- Industry manuals describe the complexity of the animal industry for responders.
- They also inform industry groups and producers about animal health emergency preparedness and response.



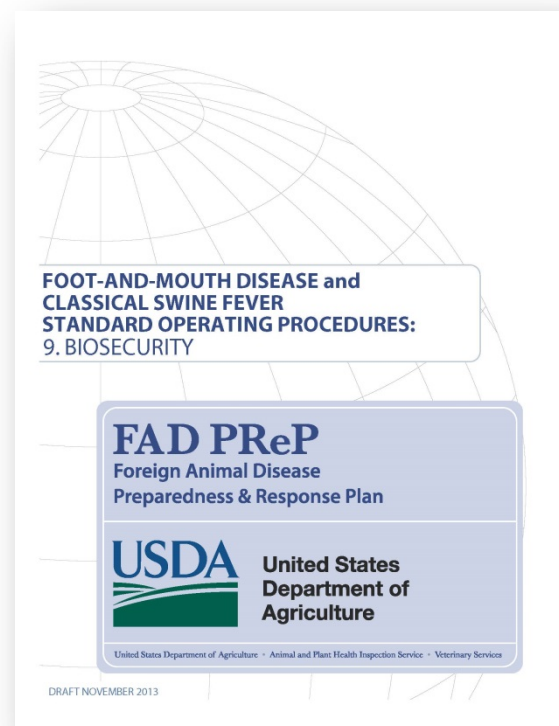
Disease Response Plans

- Response plans provide disease-specific information and response strategies.
- They offer guidance to all stakeholders on capabilities and critical activities that required to respond to an FAD outbreak.



Critical Activities—SOPs

- Standard operating procedures (SOPs) provide details on 23 critical activities such as disposal, depopulation, cleaning and disinfection, and biosecurity.
- Implementing these critical activities are essential for an effective response to an FAD outbreak.



Critical Activity SOP Topics

- Overview of Etiology and Ecology
- Case Definition Development Process
- Surveillance
- Diagnostics
- Epidemiological Investigation and Tracing
- Communications
- Health and Safety & Personal Protective Equipment
- Biosecurity
- Continuity of Business
- Mass Depopulation and Euthanasia
- Disposal
- Cleaning and Disinfection
- Vaccination
- Overview of the National Veterinary Stockpile
- Overview of Animal Welfare
- Overview Modeling and Assessment Tools
- Appraisal and Compensation
- Overview of Finance
- Overview of the NRF/NIMS

Continuity of Business



<http://www.secureeggsupply.com>



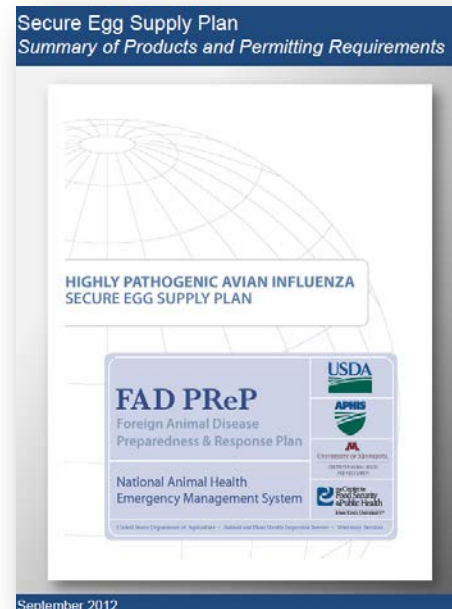
<http://www.securemilksupply.org>



<http://www.securepork.org>



<http://www.securebroilersupply.com>



Additional Resources

- Ready Reference Guides
- Communication Materials



California Animal Health Emergency Management System

United States
Department of
Agriculture

Foreign Animal Disease (FAD) Response
Ready Reference Guide—
Introduction to FAD Preparedness and Response Plan

Introduction to USDA APHIS Foreign Animal Disease Preparedness and Response Plan (FAD PRoP)

In the past 15 years there have been over 6,200 FAD investigations conducted throughout the United States, ranging from a yearly low of 254 investigations in calendar year 1997 to a high of 1,013 investigations in 2004.

It is important that the United States effectively prepares for and responds to suspected FAD incidents in order to safeguard our nation's animal health, public health, environment, economy, and food supply. The threat and potential consequences of FAD incidents, as well as the lessons learned from past response efforts, led to the development of the FAD PRoP. The goal of FAD PRoP is to integrate, synchronize, and re-conflict preparedness and response capabilities as much as possible before an outbreak. This is done by providing goals, guidelines, strategies, and procedures that are clear, comprehensive, easily readable, easily updated, and that comply with the National Incident Management System (NIMS).

In the event of an FAD outbreak, the three key response goals are to (1) detect, control, and contain the FAD in animals as quickly as possible; (2) eradicate the FAD using strategies that seek to stabilize animal agriculture, the food supply, the economy, and protect public health and the environment; and (3) provide science and risk-based approaches and systems to facilitate continuity of business for non-infected animals and non-contaminated animal products.

Achieving these three goals will allow individual livestock facilities, States, Tribes, regions, and industries to resume normal production as quickly as possible. They will also allow the United States to regain disease-free status without the response effort causing more disruption and damage than the disease outbreak itself.

FAD PRoP Documents and Materials

FAD PRoP is not just one, standalone FAD plan. Instead, it is a comprehensive U.S. preparedness and response strategy for FAD threats, both zoonotic and non-zoonotic. The following subsections provide brief examples of some of the different types of FAD PRoP documents available.

- **Strategic Plans**—offer a framework of the roles and coordination of APHIS FAD response, describe overarching response strategies, and identify key stakeholders.
- **National Animal Health Emergency Management System (NAHEMS) Guidelines**—describe critical preparedness and response activities.
- **Industry Manuals**—describe the complexity of industry to emergency planners and responders and provide industry with a window into emergency response.
- **Disease Response Plans and Strategies**—provide disease specific information about response strategies and guidance on capabilities and critical activities required for a response effort.
- **Critical Activity Standard Operating Procedures (SOPs)**—guidance for critical activities such as disposal, depopulation, cleaning and disinfection, biosecurity, and other activities crucial for an effective response.
- **APHIS Emergency Management**—APHIS Directives and Veterinary Services' Guidance Documents provide critical emergency management policy. APHIS Emergency Management documents provide guidance on topics ranging from emergency mobilization, to investigating a potential FAD, to protecting personnel from highly pathogenic avian influenza.

Suite of FAD PRoP Documents and Materials

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Public-Private-Academic Partnerships

- United Egg Producers
- Association of Veterinarians in Turkey Production
- National Turkey Federation
- Association of Veterinarians in Broiler Production
- American Association of Swine Veterinarians
- National Pork Board
- National Pork Producers Council
- State Animal Health Officials
- Center for Food Security and Public Health (CFSPH), Iowa State University
- Center for Animal Health and Food Safety (CAHFS), University of Minnesota
- University of California, Davis, Department of Veterinary Medicine and Epidemiology
- Institute for Infectious Animal Diseases, Texas A&M University
- USDA APHIS Veterinary Services

More Information

- FAD PReP on the APHIS Public Site
<http://www.aphis.usda.gov/fadprep>
- Inside APHIS
<http://inside.aphis.usda.gov/vs/em/fadprep.shtml>
(Limited to APHIS employees.)

Questions?

